

KOSTORZ, S.

3

Graphical method of determining the approximate content  
of toluene in a benzene fraction. S. Kostorz, Priemyl  
Chem. Z., 311-3 (1953).—The approximate amt. of toluene in a  
C<sub>6</sub>H<sub>6</sub> fraction can be detd. from a system of graphs prep'd.  
from results obtained by distill. of known amt.s. of toluene  
ranging from 0 to 10% in 100 ml. of a mixt. of toluene and  
C<sub>6</sub>H<sub>6</sub>. With the Kraemer-Spilker distill. app., the boiling  
temp. corresponding to 80 ml. distillate is detd. and the  
corresponding amt. of toluene in the C<sub>6</sub>H<sub>6</sub> fraction can be  
found from the graphs. Gene A. Wozny

L 20222-66

ACC NR: AP6010331

SOURCE CODE: BU/0011/65/018/009/0375/0272

AUTHOR: Kostourkov, G.; Petrounov, B.

ORG: Research Institute of Epidemiology and Microbiology, Bulgarian Academy of Sciences

TITLE: Part played by small and medium-sized lymphocytes in the passive transfer of tuberculin hypersensitivity

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 9, 1965, 875-878

TOPIC TAGS: tuberculosis, allergic disease, cytology, antibody, cell physiology

ABSTRACT: Delayed hypersensitivity is a cell-conditioned allergic reaction which is independent of humoral antibodies and plasmic factors (T. Wesslen, Acta tub. Scand., 26, 1952, 38). The tissues and organs containing cells which are carriers of the allergic factor were established in the course of the last 20 years. On the basis of a variety of studies, certain authors (see, e.g., J. W. Uhr, M. Schirff, J. Exptl. Med., 112, 1960, 65) assume the lymphocytes to be the carriers of the hypersensitivity factor in the delayed type of allergic reactions. The object of the present work was to check the role of small and medium-sized lymphocytes, from an immunologically competent organ like the spleen, in the passive transfer of tuberculin hypersensitivity. Male guinea-pigs weighing between 350 and 400 grams served as test animals. The results of the investigations indicate that spleen lymphocytes from sensitized donors successfully transfer tuberculin hypersensitivity to homologous energetic recipients. These data coincide with

Card 1/2

Card 2/2 MJS

KOSTOURKOV, G.; BACHVAROV, R.

The effect of endogenous pyrogen on agglutinin-formation in  
rabbits. Dokl. Bolg. akad. nauk 16 no. 7:749-752 '63

1. Submitted by Academician I. Emanuiloff.

\*

KOSTOURKOV, G. [Kosturkov, G.]; BACHVAROV, R. [Bachvarov, R.]

The effect of endogenous pyrogen on agglutinin-formation  
in rabbits. Doklady BAN 16 no.7:749-752 '63.

KOSTOUSHOV, A.I.; BRITSKO, K.M.; VOLODIN, Ye.I.; GRECHUKHIN, A.I.; DEGTYARENKO, N.S.; DOBROSKOK, A.N.; MARDANYAN, M.Ye.; NAYDENOV, I.A.; PROKOPOVICH, A.Ye.; TELYATNIKOV, L.P.; USPENSKIY, Ya.K.; KHLYNOV, V.N.; PERL'SHTEYN, Ye.A., nauchnyy red.; YEVSEVICHEV, V.I., red.; BUDOVA, L.G., tekhn.red.; NADEINSKAYA, A.A., tekhn.red.

[Machine-tool manufacture in Japan] Japonskoe stankostroenie.  
Pod obshchei red. A.E.Prokopovicha i M.E.Mardaniana. Moskva, TSentr.  
biuro tekhn.informatsii, 1959. 461 p. (MIRA 13:9)

1. Moscow (Province) Oblastnoy sovet narodnogo khozyaystva.  
(Japan--Machine tool industry)

KOSTOUSOV, Anatoliy Ivanovich

Technological development in the machine-tool and instrument  
industries. Dost.nauki i tekhn. i pered.op.v prom.i stroi. no.4:  
72-106 '59. (MIRA 12:10)  
(Machine-tool industry) (Instrument industry)

KOSTOUSOV, A.I.

BERG, A.I., glav. red.; TRAPEZNIKOV, V.A., glav. red.; BERKOVICH, D.M.,  
zamgl. glav. red.; LERNER, A.Ya., doktor tekhn. nauk, prof.,  
zam. glav. red.; AVEN, O.I., red.; AGEYKIN, D.I., red.; kand.  
tekhn. nauk, dots., red.; AYZERMAN, M.A., red.; VENIKOV, V.A.,  
doktor tekhn. nauk, prof., red.; VORONOV, A.A., doktor tekhn.  
nauk, prof., red.; GAVRILOV, M.A., doktor tekhn. nauk, prof.,  
red.; ZERNOV, D.V., red.; IL'IN, V.A., doktor tekhn. nauk,  
prof., red.; KITOV, A.I., kand. tekhn. nauk, red.; KOGAN, B.YA.,  
doktor tekhn. nauk, red.; KOSTOUSOV, A.I., red.; KRINITSKIY,  
N.A., kand. fiz.-mat. nauk red.; LEVIN, G.A., prof. red.;  
LOZINSKIY, M.G., doktor tekhn. nauk, red.; LISSIYEVSKIY, V.I.,  
red.; MAKSAREV, Yu.Ye., red.; MASLOV, A.A., dots., red.; POPKOV, A.A., red.;  
RAKOVSKIY, M.Ye., red.; ROZENBERG, L.D., doktor tekhn. nauk,  
prof., red.; SOTSKOV, B.S., red.; TIMOREYEV, P.V., red.;  
USHAKOV, V.B., doktor tekhn. nauk, red.; FEL'DBAUM, A.A.,  
doktor tekhn. nauk, prof., red.; FROLOV, V.S., red.;  
KHARKEVICH, A.A., red.; KHRAMOV, A.V., kand. tekhn. nauk, red.;  
TSYPKIN, Ya.Z., doktor tekhn. nauk, prof., red.; CHELYUSTKIN,  
A.B., kand. tekhn. nauk, red.; SHREYDER, Yu.A., kand. fiz.-  
mat. nauk, dots., red.; BOCHAROVA, M.D., kand. tekhn. nauk,  
starshiy nauchnyy red.; DELONE, N.N., inzh., nauchnyy red.;  
BARANOV, V.I., nauchnyy red.; PAVLOVA, T.I., tekhn. red.

(Continued on next card)

BERG, A.I.— (continued). Card 2.

[Industrial electronics and automation of production processes] Avtomatizatsiya proizvodstva i promyshlennaya elektronika. Glav. red. A.I.Berg i V.A.Trapeznikov. Moskva, Gos.nauchn. izd-vo "Sovetskaya Entsiklopediya." Vol.1. A - I. 1962. 524 p. (MIRA 15:10)

1. Chlen-korrespondent Akademii nauk SSSR (for Sotskov, Kharkovich, Zernov, Timofeyev, Popkov).  
(Automatic control) (Electronic control)

KOSTOUSOV, A.I.; VASIL'YEV, V.S.; GRECHUKHIN, A.I.; DEGTYARENKO, N.S.; PETROCHENKOV, A.G.; PROKOPOVICH, A.Ye.; TELESHOV, A.P.; SHEVYAKOV, L.N.; GONCHAROVA, S.L., nauchn. red.; BORUSHMOY, I.V., red.; LOGINOV, R.A., red.; MONAKHOVA, N.F., red.; SHCHEGLOVA, I.B., red.; KOVAL'SKAYA, I.F., tekhn. red.

[Machine-tool industry in Japan according to materials from the Machine-tool Exhibition of 1962 in Osaka] Stan-kostroenie Iaponii; po materialam stankostroitel'noi vystavki 1962 goda v g.Osaka. Moskva, 1963. 473 p.  
(MIRA 16:12)

1. Moscow. TSentral'nyy institut nauchno-tekhnicheskoy informatsii po avtomatizatsii i mashinostroyeniyu.  
(Japan—Machine-tool industry)

BARANOV, Yu.I.; KOSTOUSHOV, N.L.

Controlling open-hearth furnace gates from the charging machine.  
Stal' 23 no.9:793-799 S '63. (MIRA 16:10)

BARANOV, Yu.I.; KOSTOUSHOV, N.L.

Automatic dewatering of mazut. Stal' 23 no. 3:279 Mr '64.  
(MIRA 17:5)

1. Severskiy metallurgicheskiy zavod.

BARANOV, Yu.I., inzh.; KOSTOUSHOV, N.L., inzh.; STEPANOV, V.I., inzh.

Remote-controlled fuel supply at a gas-generator station.  
Mekh. i avt. proizv. 17 no.8:13-15 Ag '63. (MIRA 16:10)

BARANOV, Yu.I.; KOSTOUSHOV, N.L.

Automatic temperature control of reduction gear and engine bearings  
of the main drive of rolling mills. Stal' 23 no.7:640 Jl '63.  
(MIRA 16:9)

(Rolling mills—Electric driving)  
(Automatic control)

BARANOV, Yu.I.; KOSTOUSOV, N.L.; MINYAYEV, V.A.; YEMEL'YANOV, V.P.

In rolling mills across the land. Metallurg 8 №.31:32-34 Mr. '63.  
(MIRA 16:3)

1. Severskiy metallurgicheskiy zavod (for Baranov, Kostousov,  
Minyayev). 2. Magnitogorskiy metallurgicheskiy kombinat (for  
Yemel'yanov).  
(Rolling mills—Equipment and supplies)

BARANOV, Yu.I.; KOSTOUSOV, N.P.; MINYAYEV, A.A.; SHIROKOV, S.P.

Magnetic device for handling billets. Metallurg 8 no.6:33  
Je '63. (MIRA 16:7)

1. Severskiy metallurgicheskiy zavod.  
(Rolling (Metalwork)) (Materials handling)

APAKHOV, I.A.; KALYAZINA, V.S.; PARYLIS, E.Ya.; KLYUKINA, E.P.; POSTNIKOVA,  
A.V.; Prinimali uchastiye: BASHKIROVA, Ye.M.; NAZAROVA, A.K.;  
KOSTOUSOVA, A.S.

Improving the quality of contact sulfuric acid. Khim. prom.  
41 no.10:745-746 0 '65. (MIRA 18:11)

D'YAKOV, A.A.; KOSTOUSOVA, T.I.

Dependence of hydrogen overvoltage on aluminum on the state  
of the aluminum surface and concentration of the acid.  
Zhur.fiz.khim. 34 no.7:1610-1615 Jl '60.  
(MIRA 13:7)

1. Ural'skiy gosudarstvennyy universitet im. A.M.Gor'kogo,  
Sverdlovsk.  
(Overvoltage) (Aluminum) (Hydrogen)

KOSTOV, Boris

Some Results from the Fluorescent Tube Illumination on Industrial Enterprises. Elektroenergia (Electric Power), #11-12:13; Nov-Dec 54

KOJTOV, B.

"Stroboscopic effect of the fluorescent lamp and the method for its reduction."  
Vol. 5, no. 5/6, May/June 1954, p. 27. Elektroenergiia, Sofiya

SO: Eastern European Accessions List, Vol 3, no. 11, Nov. 1954, L. C.

KOSTOV, B.

"New Bulb-shaped fluorescent lamps."

p. 5 (Elektroenergia, Vol. 8, no. 8, Aug. 1957, Sofia, Bulgaria.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6  
June 1958.

KOSTOV, B.

Transforming processes of electric power in the total electric power of Bulgaria  
during 1953, 1954, and 1955.

p. 6 (ELEKTROENERGIIA) Vol. 8, no. 9, Sept. 1957,  
Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,  
March 1958

KOSTOV, B.

TECHNOLOGY

Periodical: IZVESTIIA. No. 5/6, 1958.

KOSTOV, B. Equalizing single-phase electric loads in three-phase systems.  
p. 353.

Monthly List of East European Accession (EEAI), LC., Vol. 8, No. 2,  
February 1959, Unclass.

KULELIEV, Kr.; KOSTOV, B.

Geochemical investigations in the Radnevo gypsiferous region.  
M. Originals of lime concretion. Geodishnik Min. geol inst  
7 no.1:221-239 '60/'61.

KULELIEV, Kr.; KOSTOV, B.

*Geochemical studies in the Radnevo gypsiferous region.  
Godishnik Min geol inst 7:9-21 '60/'61 [publ. '62].*

L 00161-66

ACCESSION NR: AP5025552

BU/0011/65/018/002/0129/0132

Q  
B

AUTHOR: Kostov, B.

TITLE: Mineral-formation in the CaO-Al<sub>2</sub>O<sub>3</sub>-MgSO<sub>4</sub> system

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 2, 1965, 129-132

TOPIC TAGS: cement, combustion, mineral, sulfate, aluminum oxide, aluminate, calcium compound

ABSTRACT:

The problem represents a particular case encountered during the burning of Portland cement and similar raw material mixtures containing sulfate substances - natural admixtures in the initial raw materials or those introduced as mineralizers. At present, a comparatively complete study has been made only of the CaO-Al<sub>2</sub>O<sub>3</sub>-CaSO<sub>4</sub> system (e.g., F. Nobuo, Bull. Soc. Japan, 34, 1961, No 1; 64, 1962, 5). It has been demonstrated that the compound 3(CaO·Al<sub>2</sub>O<sub>3</sub>)·CaSO<sub>4</sub>, which possesses binding properties and plays the role of a separate clinker constituent, is formed at temperatures that are relatively not so high (1100-1200°). Consequently, the author undertook a systematic study of mineral formation in the indicated system. The action of the sulfates of the metals belonging to the 2nd group of the periodic system

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L 00161-66

ACCESSION NR: AP 5025552

end is formed regardless of the mixture's base. Other tests showed that when calcium-aluminate mixtures are burned in the presence of sulfates, a complex interaction occurs at relatively not so high temperatures (900-1200°), which corresponds to the reactions in the mixtures of solid substances. It is possible only in cases when the temperature of  $\text{MoSO}_4$  dissociation is lower than that of  $\text{CaSO}_4$  dissociation. Finally, when sulfated raw material mixtures are used, the  $3(\text{CaO} \cdot \text{Al}_2\text{O}_3) \cdot \text{CaSO}_4$  compound, which has the properties of an independently binding substance, replaces  $3\text{CaO} \cdot \text{Al}_2\text{O}_3$  in part or in toto. The summary technological and physico-mechanical properties of the burned products (and of the clinker and the cement, in particular) respectively change to a greater or lesser degree, depending on the quantity of  $3(\text{CaO} \cdot \text{Al}_2\text{O}_3) \cdot \text{CaSO}_4$ . was investigated since many of these ( $\text{CaSO}_4$ ,  $\text{MgSO}_4$ ,  $\text{BaSO}_4$ ) are quite common in nature and might be of interest as potential raw material in the production of silicates. Experiments proved the existence of  $3(\text{CaO} \cdot \text{Al}_2\text{O}_3) \cdot \text{CaSO}_4$  and its formation in the investigated system. It is the thermodynamically most resistant among all calcium aluminates typical of Portland cement clinker.

Card 2/3

L 00161-66

ACCESSION NR: AP5025552

ASSOCIATION: Chemico-Technological Institute, Darvenitsa, Sofia

SUBMITTED: OO

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SUB CODE: IC, GC

NR REF SOV: 005

OTHER: 001

JPRS

Ka  
Card 3/3

IVANOV, V.; MILENKOV, K.; TSOLOV, N.; ALEKSANDROVA, E.; TSANKOV, I.; MECHKUNOV, K.; KHAMAMOZHIEV, K.; BALABANOVA, V.; KOSTOV, D.; KIS'OVA, A.

Results of the treatment of epilepsy using E. I. Karmanova's method.  
Suvrem. med., Sofia 9 no.7:49-56 1958.

1. Iz NIPI i Okruzhnite psichko-nevrologichni dispanseri vuv Vratsa,  
Ruse, Khaskovo i Stara Zagora.

(EPILEPSY, ther.

sodium bromide with calcium chloride & adenoside (Bul))  
(BROMIDES, ther. use

sodium bromide in epilepsy, with calcium chloride & adenoside  
(Bul))

(ADONIS, ther. use,

epilepsy, with sodium bromide & calcium chloride (Bul))  
(CHLORIDES, ther. use,

calcium chloride in epilepsy, with sodium bromide & adenoside  
(Bul))

KOSTOV, D.

The 14th nationwide competition in radiotelegraphy. Radio  
i televiziia 11 no.9:262 '62.

KOSTOV, D.

Fifteenth Competition in Radiotelegraphy in Bulgaria. Radio i  
televiziia 12 no.8:227-228 '63.

KOSTOV, D.

First nationwide multiple radio competition. Radio i televizia  
12 no. 11: 328 '63.

KOSTOV, D.

Fourth national competition in fox hunting. Radio i televizia 12  
no.9:259-260 '63.

KOSTOV, D.

The 1963 National Short-Wave Championship. Radio i televiziia 12  
no.9:263 '63.

1. Gl. sekretar na IV republ. kv sustezanie.

KOSTOV, D.

Field Day competition in Czechoslovakia. Radio i televiziia 12  
no.5:132 '63.

KOSTOV, D. (IZIDA)

Results of the 1962 Short-Wave Championship. Radio i televiziia  
12 no.1:3 '63.

KOSTOV , D.

For a more varied and a wider competitive sports activity.  
Radio i televiziia 13 no. 2:34-35 '64.

KOSTOV, D. (Sofiya)

Accomplishments of Bulgarian radio amateurs. Radio no.9:17  
S '64. (MIRA 17:12)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000825220015-6

KOSTOV, Emil, inzh.; VICHEVA, Neli, inzh.

Interaction between the electric power system and the overhead lines of an electrified railroad section. Elektroenergiia 15 no.11:13-15 N '64.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000825220015-6"

KOSTOV, Georgi

Correlation between labor productivity and labor wages.  
Trud tseni 4 no.1:20-31 '62.

KOSTOV, Georgi, inzh., nauchen sutrudnik

The first bridge-canal of prestressed reinforced concrete in Bulgaria. Stroitelstvo 9 no.6:17-20 N-D

1. Nauchnoissledovatelski institut po stroitelstvo.

KOSTOV, Georgi

Full use of the principle of personal material interest. Trud.  
tseni 5 no.4:28-37 '63

1. Chlen na Redaktsionnata kolegiia, "Trud i tseni".

KOSTOV, Georgi

- Principle of personal material interest, and the development of  
farming. Trud tseni 4 no.9:18-30 '62.

1. Chlen na Redaktsionnata kolegiia, "Trud i tseni".

L 40947-66

ACC NR: AP6030998

SOURCE CODE: BU/0015/66/027/001/0104/0109

17  
8AUTHOR: Chunev, D.; Zagorchev, Iv.; Kostov, Il.

ORG: Scientific Research Geological Institute, GUGOZN (Nauchnoizsled. geol. institut pri GUCCZN)

TITLE: Pliocene of the Karlovo plain

SOURCE: Bulgarsko geologichesko druzhestvo. Spisanie, v. 27, no. 1, 1966, 104-109

TOPIC TAGS: geology, physical geology

## ABSTRACT:

Drilling investigations seem to indicate that the Pliocene sediments of the Karlovo plain may be divided into two lithological horizons the lower of which contains mainly greyish-blue and greyish-green clays, and sandstones with coal and diatomite intercalations while the upper contains gravels composed of granite and gneiss fragments and light-grey to white clays and sandstones. The Sredna Gora anticline, along with the allochthon of the Balkan granite overthrust, has been the source of terrigenous material. The most intensive faulting and elevation of the Balkan block occurred after the Pliocene. The authors thank Iv. Vaptarov for consultation on the geomorphological questions, and Zh. Trashlieva for carrying out the microscope research. Orig. art. has: 2 figures. [Based on authors' Eng. abst.] [JPRS: 36,844]

SUB CODE: 08 / SUBM DATE: 19May65 / ORIG REF: 010

Card 1/1 TC

1. A.

8

The iron deposits of the Shipta Mountains. Ivan Kostov  
(Univ., Sofia, Bulgaria). *Annuario serv. scien. Pavia*,  
vol. LIVe 3, 45, 1-37, English summary, 38-41 (1948-49).—  
Iron ore deposits are mostly magnetite with some specular-  
ite, intermixed with other minerals, contg. 25-65% Fe<sub>2</sub>O<sub>3</sub>.  
Geology of the mountain and phys. features of the deposits  
are described and their origin is discussed. O. M.

KOSTOV, IVAN

Kostov, Ivan Mineralogia; spetsialna chast. (Sofiya) Nauka i izkustvo (1949) 418 p.  
(Universitetska literatura) (Mineralogy; special part. Illus., maps, index)

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L. C., VOL. 3, NO. 1, Jan. 1954, Uncl.

KOSTOV, I.

"Geochemistry of Sulfur", P. 39, (MINNO DELO), Vol. 9, No. 1, Jan. 1954,  
Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No.1,  
Jan. 1955, Uncl.

KOSTOV, Evgeni

~~U.S.S.R.~~ Rational classification of the minerals Ivan Kostov  
 (Univ. Sofia, Bulgaria) Zembla 1974, No. 1, p. 1-12.

Abstract: An interesting attempt of an improved mineralogical classification is made on a geochemical basis. The discussion starts from a new polyvalence system, which are tabulated for the first time. A new binary classification in groups of (I) elements (including carbides, nitrides, phosphides), (II) sulfides including intermetallic salts and intermetallic compounds, (III) oxyacids, (IV) oxides, and (V) oxyalts (sulfates, phosphates, arsenates, molybdates, selenates, tellurites, wolframate). The groups are combined with the crystallochemical character of the coordination radicals. An arrangement with the ratios  $R_s$ ,  $R_c$ , and the ionic potential  $\Phi = Z/R$  for the central cation is introduced in the single groups and subgroups. This geochemical principle of typical paragenetic assocts. of characteristic elements is significant for the new rational classification. Thus, in group II appear the assocts. Pt-Pd-Ru; Mo-W-Sn; Zn-Cd-Cu; Ag-Pb-Hg-Au. In the oxide group III appear: Be-Al-Mg; Fe-Mn; Cu-Ag-Pb-Hg. The silicates are grouped according to their structural types, among the olivine structures appear minerals with the assocts. Be-Al-Mg-Zr-Ti; Ca-Mn-rare earths; Zn-Cu-Pb-U, among the borates the assocts. Be-Al-Mg; Mg-Ca-Na; among the phosphates the assocts. Be-Al-Mg; Fe-Mn-Ca-rare earths; Zn-Cu-Pb-U; among the sulfates the assocts. Al-Fe; Mg-Na-Ca-Cu-Pb-U; among the carbonates the assocts. Na-Mg-Ca-Zn-Cu-Pb-U. The principle of assocts. is not valid for the geochem. and paragenetic occurrence of the groups of lithophytic, chalcocytic, and sideromelitic combinations. Graphic diagrams are given which show the density and hardness data of oxide, silicate, and phosphate minerals grouped in "assoc. fields" which are very distinct and characteristic.

W. Lenz

KOSTOV, Ivan.

Classification of oxides. Min. sbor. no.10:105-131 '56.  
(MLRA 9:12)

1. Kafedra mineralogii Sofiyskogo universiteta.  
(Oxides)

KOSTOV, IVAN

The cordierite pseudomorphs. Ivan Kostov *Beskriv.  
vseh Sozdaniy Urala. Biol. Geol. Sibirijskij Fil. Akad. SSSR  
Geol.* 49, 2, 18(1964-5) Pub. 1967. The author's I crystals  
were found in the Rybachye Mountains. Some of them were  
converted almost entirely into white mica-like, presumably  
demouirite. This I is contained in a pegmatitic III which  
which also contains orthoclase, quartz, feldspar, and  
occasionally biotite, tourmaline, and zircon. It also  
contains some limonite. The III was present at the time of  
soils upon the original rock which caused the substitution  
of Al, Mg, Fe, and the alkalies, as brought out by the  
analyses. The I crystals are up to 4 mm in size, short prismatic  
in habit. They are interpenetrating twins with  
twinning at (110); generally present are (010), (130)<sup>o</sup> and  
(001). Chem. analyses are presented both for I and II.  
On the surface, the I is rusty brown, indicating its trans-  
formation into limonite. This is an action of weathering,  
whereas the formation of the pseudomorphs must be con-  
sidered as the result of a hydrothermal reaction. The older  
literature contained 16 names for pseudomorphs of I. K  
cuts the no. of true pseudomorphs of I down to 3, namely  
those produced by chloritization (contg. chlorites IV),  
those produced by muscovitization (contg. mica-schists II),  
and those produced by pinitization. This last group  
must be considered as an intermediate of the 2 others. The  
pinitite is nothing but a mixt. of muscovite II and IV. See  
references. Werner Jacobson

KOSTOV, I.

Andalusite in pegmatite from Ardino in the central Rhodope Mountains. p. 1.  
GODISHNIK, Sofiya, Vol. 48, no. 2, 1952/53-1953/54.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

KOSTOV, I.

Dimitrov, Ts. Origin of manganese ore deposits in the Sredna Gora region. p. 23  
GODISHNIK, Sofiya, Vol. 48, no. 2, 1952/53-1953/54.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,  
Uncl.

KOSTOV, I.

SCIENCE

Periodical: GODISHNIK Vol. 50, no. 2, 1955/56 (published 1957).

KOSTOV, I. Concerning the polymorphism of  $\text{Al}_2\text{SiO}_5$ . p. 115.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 2  
February 1959; Unclass.

15-57-5-6234

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5,  
p 76 (USSR)

AUTHOR: Kostov, Ivan

TITLE: The Problem of Classifying the Oxides (K voprosu o  
klassifikatsii okislov)

PERIODICAL: Mineralog. sb. L'vovsk. geol. o-va pri un-te, 1956,  
Nr 10, pp 105-131.

ABSTRACT: The author has proposed a systematization of the mineral  
oxides in agreement with the principles of classifi-  
cation advocated by him (RZhGeo, 1955, 11249). He  
comments on the classifications of oxides adopted by  
Palache, Berman, and Frondel, and by A. G. Betekhtin  
Palache, Berman, Frondel, Dana's System of Mineralogy,  
1946, 1; Betekhtin, A. G. Mineralogiya (Mineralogy)  
1950, Voprosy mineralogii, geokhimi i petrografii,  
Izd-vo AN SSSR (Questions on Mineralogy, Geochemistry,  
and Petrography, Academy of Sciences USSR Press), 1946],  
in which there is no consideration of the relationship

Card 1/4

15-57-5-6234

### The Problem of Classifying the Oxides (Cont.)

between properties of the minerals and their paragenesis. In classi-  
fying minerals, the author considers not only the crystal order, but  
also the geochemical and mineral-paragenetic nature. In each class  
of minerals he proposes a comparison of the principal physical  
properties with the chemical composition, and the fundamental  
division is made by distinguishing associations of metals that  
characterize the chief cations in the respective minerals. The  
relations between specific gravity and hardness of the mineral oxides  
are shown on a diagram for four associations: Be-Al-Mg association,  
Fe-Mn association, Ti-Nb(Ta) association, and Cu-Pb-U association.  
The relationship between specific gravity and average refractive  
index is considered in reference to these four associations. The  
author recognizes the advisability of separating the anhydrous oxides  
from those oxides containing hydroxyl. Therefore the oxides and  
hydroxides are in all cases considered in a single group (called G  
below). In each of the associations, a G is distinguished by uniform  
or related crystalline types, similar in composition and paragenesis.  
In the Be-Al-Mg association, G's are distinguished for chrysoberyl,  
spinel, corundum, and periclaste. The mutual relations of the spinel

Card 2/4

15-57-5-6234

The Problem of Classifying the Oxides (Cont.)

tinguished. It contains G's of arsenolite-serpentinite, bistromite  
(?), bindheimite, and selenolite (?).

Card 4/4

E. M. K.

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CIA-RDP86-00513R000825220015-6

A case of epizootic replacement. Ivan Kestov (Univ.  
Sofia, Bulgaria). Mineral Mag 31, 1977, p. 177  
and its beginning on Kalinov, Bulgaria.

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CIA-RDP86-00513R000825220015-6"

KOSTOV, Ivan

Expitaxic growth of galenite on pyrite. Min.sbor. no.11:  
38-41 '57. (MIRA 13):2)

1. Katedra mineralogii Sofiyskogo universiteta, Sofiya.  
(Pyrites--Crystals) (Galen--Crystals)

KOSTOV, Ivan

KOSTOV, Ivan.

Isomorphism among sulfosalt minerals. Zap.Vs.min.ob-va 86 no.3:336-342  
(MIRA 10:9)  
'57.

1. Kafedra mineralogii Sofiyskogo universiteta.  
(Mineralogy) (Sulfur compounds)

KOSTOV, Ivan.

Genesis of diasthene from quartz veins. Min. sbor. no.12:  
262-269 '58. (MIRA 13:2)

1. Kafedra mineralogii Sofiyskogo universiteta, Sofiya.  
(Sakar Mountains--Kyanite)

KOSTOV, Ivan; FILIZOVA, Liudmila

Zeolites in Bulgaria; laumontite. Godishnik biol 52 no.2:159-  
186 '57/'58 [publ. '59].

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CIA-RDP86-00513R000825220015-6

KOSTOV, Ivan

Chemism, nomenclature, and formation order of zeolitic minerals.  
Godishnik biol 52 no.2:133-156 '57/'58 [publ. '59].

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CIA-RDP86-00513R000825220015-6"

KOSTOV, Ivan

Bismuth jamesonite or "Sakharovait," a new mineral. Trudy Min.<sup>mus.</sup>  
no.10:148-149 '59. (MIRA 16:8)  
(Jamesonite)

KOSTOV, Ivan, prof.

Meteorites in the collection of the Department of Mineralogy, Petrography, and Mineral Resources of the University of Sofia, Bulgaria.  
Meteoritiki no.19:155 '60. (MIRA 13:11)  
(Sofia--Meteorites)

KOSTOV, Ivan

Stability of forms of mineral crystals. Zap. Vses. min. ob-va  
89 no.1:90-93 '60. (MIRA 13:10)  
(Crystals)

KOSTOV, Iv.

Conference of the Commission on Mineralogy and Geochemistry at  
the Carpatho-Balkan Association. Spisanie BAN 6 no.3:70-71 '61.

1. Член-кореспондент, Българска академия на науките.

KOSTOV, Ivan

"Lectures on crystallomorphology of minerals" by Prof. I.I.  
Shafranovskii. Reviewed by Ivan Kostov. Zap.Vses.min.ob-va 90  
no.4:492-493 '61. (MIRA 14:9)

1. Kafedra mineralogii i kristallografii Sofiyskogo universiteta.  
(Crystallography) (Shafranovskii, I.I.)

KOSTOV, Ivan

Two occurrences of apophyllite in Bulgaria. Izv Geol inst BAN  
10:39-48 '62.

1. Chlen-korrespondent na Bulgarskata akademija na naukite i  
chlen na Redaktsionnata kolegiia, "Izvestiia na Geologicheskiia  
institut."

KOSTOV, Ivan

Genetic types of mineral habits. Min. sbor. no.16:75-90 '62.  
(MIRA 16:10)

1. Kafedra mineralogii i kristallografii Sofiyskogo universiteta,  
Sofiya, Bolgariya.  
(Crystallography)

KOSTOV, Ivan

Crystallography of epidote of Nova Makhlala, Poahtera region.  
Godishnik biol 56 253-260 '61/'62.

KOSTOV, Ivan

Symposium on Problems of Postmagmatic Ore Formation.  
Spisanie BAN 8 no. 4: 43-45 '63.

1. Corresponding Member of the Bulgarian Academy of Sciences.

KOSTOV, Ivan, dots.

Problem of the basis for determining the value of farm produce.  
Selskostop nauka 3 no. 2:19-28 '64.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000825220015-6

NAZAR PLOV, BULG.; KOSTOM, BUL.

Relations of army units and officials in one of the caves near Iskrets,  
Sofia District. Gotishnik block 57 n. 1:93-110 '62-'63 [publ. '64].

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000825220015-6"

KOSTOV, I.; AMBRUSH, I. [Ambrus, I.]

Synthesis of 2-nitro-4-methoxyphenylalanine (methyl ether of  
2-nitrotyrosine). Zhur. ob. khim. 33 no.8:2792-2793 Ag '63.  
(MIRA 16:11)

I. Khimiko-farmatsevticheskiy issledovatel'skiy institut,  
Bukharest.

KOSTOV, Iv.; MINCHEVA-STEFANOVA, I.; KUIKIN, S.

Morphology of pyrite. Izv Geol Inst BAN 11: 41-64 '62.

1. Chl. ~~kor.~~ na Bulgarskata akademija na naukite i chlen na Redaktsionnata kolegiia, "Izvestiia na Geologicheskiia institut" (for Kostov).

BONCHEV, Ek.; KAMENOV, B.; KOSTOV, Iv.

International Conference of the Association of Carpatho-Balkanic Geologists. Spisanie BAN 7 no.4:133-137 '62.

KOSTOV, I.

On the origin of hydrogen sulphide in the Black Sea. Doklady  
BAN 17 no.7:641-643 '64.

KOSTOV, Ivan; ZHELIAZKOVA-PANAIOTOVA, Marita

Achievements of Bulgarian geology in the twenty years of the people's rule. Priroda Bulg 13 no.4:20-23 Jl-Aug '64.

1. Corresponding Member of the Bulgarian Academy of Sciences (for Kostov).

KOSTOV, Ivan, prof.; EELOV, N.V., akademik[translator];  
MAYKOVA. Ye.I., red.

[Crystallography. Translated from the Bulgarian] Kri-  
stallografiia. Moskva, Mir, 1965. 528 p. (MIRA 18:12)

KOTOV, A.M.

Crystallography of epidote from the village of Nov. Malytsia,  
Peshtera District, Godishnik 1961 No.2 p.53-86 161-162  
[Publ. '62].

KOSTOV, K.

Water Conditions of Industrial Boilers. In the Bulgarian Heavy Industry,  
3:38:Mar 55

KOSTOV, K.

Treatment of water in industrial steam boilers. p. 38.  
(TEZHKA PROMISHLENOST. Vol. 4, No. 4, 1955.)

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9,  
Sept. 1955, Uncl.

KOSTOV K.

18 JUL 1982

(14)

(22)

1. "Educational and Political Climate in Preparation in the Medical Disciplines in Medical Schools," Report by V. GROBLER of the ISML (not identified); pp 9-14.
2. "Recent Progress and the Tasks Facing Public Health Workers," Dr. L. PAPKOV, Senior Physician of the Ministry of Public Health and Social Welfare (KNEZEV-MEDSKA) Sarajevo, Miroslav Adzic i Sustitut (KNEZEV-MEDSKA) Sarajevo; pp 14-18.
3. "The Antiseptotic Effect of Piperazine Preparations," Dr. St. JOSIFOVIC, Junior Doctor Collaborating (not identified); Dr. M. JAHNOV, Medical Technologist (KNEZEV-MEDSKA) Sarajevo, Miroslav Adzic i Sustitut (KNEZEV-MEDSKA) Sarajevo; pp 19-21.
4. "Treatment by Means of Inhalation with Aerospir Apparatus," Dr. V. STANOV, Section Chief (KNEZEV-MEDSKA) Sarajevo, Miroslav Adzic i Sustitut (KNEZEV-MEDSKA) Sarajevo; pp 22-23.
5. "On the Job Requirements for Health Workers in Emergency Services," Dr. COLLECTOR at the clinic (KNEZEV-MEDSKA) Sarajevo; pp 26-34.
6. "Preserving the Jealousy of 'Hard' and 'Soft'" Inventories in Hospitals and Related Institutions," Dr. D. JAKOBOVIC, Senior Nurse (KNEZEV-MEDSKA) Sarajevo; pp 35-36.
7. "Centralized Sterilization in Hospitals and Related Institutions," Dr. J. JAKOBOVIC, Junior Doctor (not identified); pp 40-42.
8. "The Storage and Use of Medicines in Hospitals," Dr. J. JAKOBOVIC, Senior Nurse (KNEZEV-MEDSKA) Sarajevo; pp 43-44.
9. "Comments on Importing Qualifications among Internists and Medical Workers in Czechoslovakia," Dr. V. D. KOSTOV, Senior Physician, Ministry of Public Health and Social Welfare and Dr. V. KOSTOV, Senior Nurse, KNEZEV-MEDSKA Sarajevo, Miroslav Adzic i Sustitut (KNEZEV-MEDSKA) Sarajevo; pp 45-46.

KOSTOV, K.

KOSTOV, K. New tendencies in temporary constructions outside cities. p. 11.  
Vol. 3, no. 9/10, 1956. STROITELSTVO. Sofiia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

KOSTOV, K.

Our experience with checkrow planting. p.14 MASHINIZIRANO  
ZEMEDELIE. (Ministerstvo na zemedelioto) Sofiya. Vol. 7,  
No. 3, Mar. 1956

SOURCE: East European Accessions List, (EEAL) Library of  
Congress, Vol. 5, No. 11, November 1956

KOSTOV, K., arkh., kand. na arkh. nauki

Designing and dimensioning natural lighting of industrial buildings. Stroitelstvo 10 no.3:18-24 My-Je '63.

KOSTOV, K.; PEKHLIVANOV, M.

Use of desicants in Czechoslovakia. Selskostop nauka [2]  
no. 2: 277-278 '63.

For "Khristo" (soft)

Two-line notation with photoelectronic multipliers. Mat 1  
Pis Balta 7 no.456-59 Jl-Ag '64.

KOSTOV, Khristo (Sofia)

Demonstrating the single track record function of an alternating current with indicator tubes. Mat 1 File Bulg 7 no.4:61 J-  
Ag '64.

BLUSKOV, G, inzh.; KOSTOV, K., inzh.

Covering a part of the peal load with gas turbines and high-powered diesel engines. Elektroenergiia 15 no.11:22-24 N '64.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000825220015-6

KOSTOV, K.; NAIDENOV, As., inzh.

Technical and economic analysis in designing new machines.  
Mashinostroenie 13 no.11:4-7 N '64.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000825220015-6"

KOSTOV, Khr. (Sofia)

Stroboscopic effect used in illustrating the connection between linear and angular velocity. Mat i fiz Bulg 7 no.6:56 N-D '64.

KOSTOV, K. D., arkh., kand. na arkh. nauki

Projecting and computing the natural lighting in industrial  
buildings. Stroitelstvo 10 no. 2:14-18 Mr-Ap '63.

SPASOV, Al.V.; KOSTOV, K.G.

Decarbonization of steel with hydrogen. Godishnik khim  
55 no.3:205-219 '60/61 (publ.'62.)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000825220015-6

BULGARIA

KOSTOV, Dr. L.; Veterinary Institute, Stara Zagora

"Experience in the Application of Dry Tissue Biostimulant"

Sofia, Veterinarna Sbirka, Vol 64, No 1, 1967, pp 31-33

Abstract: In a study based on USSR work pertaining to biostimulants, a dry tissue biostimulant derived from calves' spleen and testis was prepared. On implantation of the dry biostimulant into the lower part of the ears of male calves or subcutaneous injection of the biostimulant in a liquid state to the calves, an increase in the rate of growth of the calves in comparison with control animals was obtained, as shown by the gain in weight.  
Table.

ANGELOVA, V.; MALCHEVA, Z.; KOSTOV, L.

Glyphthalic resins. Biol i khim 4 no.5:57-59 '62.

1. Chlen na Redaktsionnata kolegiia, "Biologija i khimiia"  
(for Angelova).

**"APPROVED FOR RELEASE: 06/14/2000**

**CIA-RDP86-00513R000825220015-6**

KOSTOV, H.

"Exhibition in Khaskovo." Vol. 3, No. 5/6, 1954, p. 12. Radio, Sofiya

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.

**APPROVED FOR RELEASE: 06/14/2000**

**CIA-RDP86-00513R000825220015-6"**

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000825220015-6

KOSTOV, N.

"Clay condensers."  
Radio, Sofiya, Vol 3, No 2, 1954, p. 36

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000825220015-6"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000825220015-6

ROSE, R.

"Construction of a tube buzzer."  
Radio, Sofiya, Vol 3, No 2, 1954, p. 35

50: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000825220015-6"

KOSTOV, M.

KOSTOV, M. Organizing the preliminary work for the fundamental leveling  
of irrigated areas. p.19.

Vol. 7, no. 4, Apr. 1956, MASHINIZIRANO ZEMEDELIE, SOFIYA, BULGARIA.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 10,  
Oct. 1956.

KOSTOV, M.

KOSTOV, M. Tractor drags for current leveling of irrigated areas. p.22.  
Vol. 7, no. 5, May 1956, MASHINIZIRANO ZEMEDELIE, SOFIYA, BULGARIA.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 10,  
Oct. 1956.

KOSTOV, M.

Preparing the ground and sowing grain in irrigated areas. p.ll.  
MASHINIZIRANNO ZEMEDELIE. (Ministerstvo na zemedelieto)  
Vol. 7, no. 8, Aug. 1956

SOURCE: East European Accessions List, (EEAL), Library of  
Congress, Vol. 5, no. 12, December 1956

KOSTOV, M.

KOSTOV, M. Some problems of stockbreeding in the District of Sofia. p. 4  
VOL. 11, no. 11, Nov. 1956. KOOPERATIVNO ZEMEDELIE. Sofia, Bulgaria

SOURCE: East European Acquisitions List (EEAL) Vol. 6. No. 4 April 1957